

Proposal # 2001- H-267 (Office Use Only)

PSP Cover Sheet (Attach to the front of each proposal)

Proposal Title: Sacramento Conservation Area Program

Applicant Name: The CSU, Chico Research Foundation

Contact Name: Jeff Wright

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Amount of funding requested: \$ 326,991

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost \$356,747

Federal cost \$326,991

Cost share partners?

X Yes No

Identify partners and amount contributed by each Department of Water Resources \$150,000 per year

Indicate the Topic for which you are applying (check only one box).

- | | |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes | <input type="checkbox"/> Beyond the Riparian Corridor |
| <input type="checkbox"/> Nonnative Invasive Species | <input checked="" type="checkbox"/> Local Watershed Stewardship |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Flood Management | <input type="checkbox"/> Special Status Species Surveys and Studies |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants | <input type="checkbox"/> Fish Screens |

What county or counties is the project located in? Shasta, Tehama, Glenn, Butte, Colusa, Sutter, Yolo

What CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible Sacramento River

Indicate the type of applicant (check only one box):

- | | |
|--|---|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input type="checkbox"/> Local government/district | <input type="checkbox"/> Tribes |
| <input checked="" type="checkbox"/> University | <input type="checkbox"/> Private party |
| <input type="checkbox"/> Other: _____ | |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input checked="" type="checkbox"/> Spring-run chinook salmon |
| <input checked="" type="checkbox"/> Winter-run chinook salmon | <input checked="" type="checkbox"/> Fall-run chinook salmon |
| <input checked="" type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Longfin smelt |
| <input type="checkbox"/> Delta smelt | <input checked="" type="checkbox"/> Steelhead trout |
| <input checked="" type="checkbox"/> Splittail | <input checked="" type="checkbox"/> Striped bass |
| <input checked="" type="checkbox"/> Green sturgeon | <input checked="" type="checkbox"/> All chinook species |
| <input checked="" type="checkbox"/> White Sturgeon | <input checked="" type="checkbox"/> All anadromous salmonids |
| <input checked="" type="checkbox"/> Waterfowl and Shorebirds | <input checked="" type="checkbox"/> American shad |
| <input checked="" type="checkbox"/> Migratory birds | |
| <input checked="" type="checkbox"/> Other listed T/E species: <u>Sacramento Valley Longhorn Elderberry Beetle, Swainson's hawk, Yellow billed cuckoo, Bald Eagle, Palmate bird's-beak, Bogg's Lake hedge hyssop, Butte County meadowfoam, Hairy orcutt grass, Slender orcutt grass, Greene's tuctoria, Giant garter snake, Peregrine falcon, Bank swallow, Sandhill crane, Willow flycatcher</u> | |

Indicate the type of project (check only one box):

- | | |
|--|--|
| <input type="checkbox"/> Research/Monitoring | <input checked="" type="checkbox"/> Watershed Planning |
| <input type="checkbox"/> Pilot/Demo Project | <input type="checkbox"/> Education |
| <input type="checkbox"/> Full-scale Implementation | |

Is this a next-phase of an ongoing project? Yes X No _
Have you received funding from CALFED before? Yes X No _

If yes, list project title and CALFED number CALFED#: B81382 Project Title: Sacramento River Conservation Area

Have you received funding from CVPIA before? Yes X No _

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):
CVPIA #: B-81382 Project Title: Sacramento River Conservation Area

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

The CSU, Chico Research Foundation

Printed name of applicant



Signature of applicant

**Project Title: CALFED Ecosystem Restoration Grant Program
Sacramento River Conservation Area Program**

Amount Requested: \$326,992

Applicant Name: The CSU, Chico Research Foundation
Chico, CA 95929-0003
(530) 898-4335 Phone,
(530) 898-5492 Fax

Primary Contact: Burt Bundy

California Department of Water Resources
2440 Main Street
Red Bluff, CA 96080
Phone: (530) 528-7411
Email: bundy@water.ca.gov

Collaborators: See Memorandum of Agreement (Appendix A)

B. Executive Summary

Passed by the State Legislature in 1986, Senate Bill 1086 called for a management plan for the Sacramento River and its tributaries that would protect, restore, and enhance both fisheries and riparian habitat. The bill established an Advisory Council composed of representatives from State and federal agencies, county supervisors, landowners, water contractors, commercial and sport fisheries, and general wildlife and conservation interests. The Upper Sacramento River Fisheries and Riparian Habitat Management Plan (1989 Plan) included a specific and action-oriented fisheries plan and a more conceptual riparian habitat plan. Many of the fisheries items have since been or are currently being implemented.

Through a consensus process, the *Sacramento River Conservation Area Handbook* was developed to guide an implementation program for riparian habitat management along the Sacramento River. The *Handbook* addresses both the dynamics of riparian ecosystems as well as the realities of the local agricultural and landowner issues. It has done this by developing a set of guiding principles and planning tools that should direct riparian habitat management along the river. Recommended actions include the formation of a largely local-based non-profit organization (NPO), the Sacramento River Conservation Association, to coordinate voluntary restoration efforts within a 213,000-acre Sacramento River Conservation Area. A board of directors, which would include both private landowner and public interest representatives from each of the involved counties, as well as ex-officio members from six state and federal resource agencies, will govern this entity. A Technical Team composed of scientists from relevant disciplines would be established to advise the NPO on issues related to river management and site-specific planning. Team members could include agency and academic scientists as well as private individuals. Various agencies and organizations along the Sacramento River through a Memorandum of Agreement (MOA) would support the efforts of the Association. Through the Sacramento River Conservation Area process, the questions of dealing with the biological, physical and cultural aspects of a dynamic ecosystem can be addressed.

C. Project Description

1. *Problem Statement*

- a. **Problem:** The main stem of the Sacramento River historically supported a complex ecosystem that provided habitat for a variety of fish and wildlife, including several species now threatened or endangered. Extensive development with the flood plain of the River and on its headwaters and tributaries has negatively impacted the habitat and the fish and wildlife dependent on that habitat. Conflicting activities involving agriculture, habitat restoration, urban development and flood control have created situations in which efforts are counter-productive and quite often detrimental to the needs of the natural resources along the River.
- b. **Conceptual Model:** The model includes implementation of the riparian ecosystem portion of the 1989 Plan through the development of a local non-profit entity for watershed management and planning on the Sacramento River. A Sacramento River Conservation Area Handbook has been developed through a consensus process, and a Memorandum of Agreement has been signed by most State, Federal and Local entities involved. The signatories of the MOA agree to adopt the principles and goals of the Handbook and to support the formation of a Non-Profit Organization to coordinate and implement specific projects that conform to the objectives in the Handbook. The goal is to establish and preserve a continuous riparian ecosystem along the Sacramento River, which will benefit a number of priority habitats and species. Specifically, the proposed project involves hiring a manager and office staff for a three-year period to assist in the development and implementation of site-specific plans for areas within the Sacramento River Riparian Conservation Area, and to manage a new non-profit riparian area management entity that will coordinate activities and continue the process of building broader support and understanding for the goals of the SB1086 program.
- c. **Hypothesis Being Tested:** Will a non-governmental entity, working with a broad spectrum of responsible agencies, be able to coordinate and facilitate activities within the Conservation Area and achieve the goals of the Management Plan?
- d. **Adaptive Management:** Because of the intensive and varied public and private uses within the floodplain of the Sacramento River, coordination of those activities with restoration efforts is critical to the continued success of those restoration efforts. The economy of the counties and communities on the main stem of the Sacramento River depend largely on the agricultural sector. Flood control is also been an important aspect of the development within the Conservation Area. Several urban areas, particularly Sacramento, depend on the flood control system functioning properly through its bypasses and flood relief structures. Artificial flow regimes controlled through Shasta Dam affect the natural processes along the River. Through the NPO, using the principles and tools in the Handbook, and following the site-specific planning process also outlined in the Handbook, coordination of all activities within the Conservation Area will improve the success of restoration activities.

An important component of the program is site-specific planning. A site-specific plan should outline the current condition of the particular sub-reach and the potential that exists to protect and restore river processes. Consideration is given to ecological processes (flooding and channel migration), habitats (riparian forests, sloughs, gravel bars, and shaded riverine aquatic), and identified locations of sensitive sites (bank swallow colonies, yellow-billed cuckoo nests and Chinook salmon spawning areas). In addition, current land use, ownership, and development infrastructure is important in determining realistic restoration projects. The plans should address issues that could affect neighboring landowners such as fire and trespass problems, ESA requirements, impacts to flood control systems, and any negative effects on local tax bases that might result from restoration of the site.

The Corps of Engineers is currently conducting a Hamilton City, CA Feasibility Phase Project Study Plan, in conjunction with the State Reclamation Board and Glenn County, of flood control alternatives for Hamilton City. A sub-reach study of the Hamilton City area through SB1086 would provide a comprehensive plan for habitat restoration to be incorporated into the long-term management objectives. Site-specific projects could be developed within the sub-reach to address concerns identified through the planning process.

The Woodson Bridge sub-reach is another area that provides an opportunity for site-specific planning. Erosion problems at the Woodson Bridge State Park have intensified the need for a long-term solution. The opportunity exists to facilitate river restoration as well as addressing the need to protect public facilities. With the use of sophisticated computer modeling, a better understanding of river channel migration and benefit to the natural succession of riparian habitat could be gained.

At this time a sub-reach plan at the mouth of Battle and Cottonwood Creeks is being developed through a combination CALFED grant and Packard Foundation funding to BLM. Through coordination with members of the Advisory Council, a fee title and conservation easement acquisition project for several miles of river and creek frontage is being negotiated with local landowners. A management plan will be developed with federal, state and local agencies that will include consideration of the principles outlined in the Sacramento River Conservation Area Handbook.

As each of the Site-Specific plans are developed and projects initiated, monitoring programs developed through the Technical Committee will assure that principles are adhered to and specific goals met. Each plan may respond differently to various restoration tools available. With each activation and completion of a Sub-reach or Site-specific plan, the depth of knowledge increases. A different combination of tools, such as conservation easements and passive restoration vs. acquisition and concentrated plantings, may provide better results in various settings. Quite often local knowledge can be helpful in determining processes to be used.

- e. **Educational Objectives:** The development of a program that successfully restores habitat in an area that is impacted by a variety of competing uses with minimal adversity must have universal educational value. The use of a locally governed non-profit entity to coordinate

ecosystem restoration activities is inherently of tremendous educational value. Tie in the educational value of working within The CSU, Chico Research Foundation framework and the multitude of agencies involved, and the educational value increases.

2. Scope of Work

- a. Location:** The Sacramento River Conservation Area is adjacent to the main stem of the Sacramento River between Keswick (Shasta County) and Verona (Sutter County). The Inner River Zone is the channel location in the last one hundred years and the anticipated location within the next fifty years. Please see the enclosed map (Appendix B).
- b. Approach:** Funding from a 1998 two-year CALFED grant has provided for an existing coordinator position hired by The CSU, Chico Research Foundation to finalize an agreement (MOA) among participating parties to establish a non-profit entity and coordinate management activities. DWR, Northern District, provides office space and administrative assistance to this position. The MOA has been finalized and has been signed by most of the participating entities. Coordination of site-specific plans is ongoing, as is an outreach program. Articles of Incorporation and By-laws for the management entity have been drafted and it is anticipated that the organization would be established by July 1, 2000. The first year of funding for this grant has been authorized through CVPIA/AFRP and will be utilized to provide initial staffing for the newly created nonprofit management entity, which will implement the MOA, coordinate management activities, continue working with local government and landowners to resolve outstanding issues, and implement natural process and meander zone restoration, which are all key SB1086 objectives. This grant request is for the second and third years of funding for this program.
- c. Monitoring and Assessment:** There is a need for effective ecosystem planning tools to provide CALFED and other managing agencies with relevant and strategic information for ecosystem restoration, species conservation efforts, and input into the adaptive management decision process. DWR staff has been collaborating with members of the Sacramento River Advisory Council's Riparian Habitat Committee to develop an integrated programmatic approach to meeting existing and future information management, data, and modeling needs of the Sacramento River. The developing program incorporates the environmental monitoring, reporting, and research requirements of CALFED's Comprehensive Monitoring, Assessment and Research Program (CMARP) and would complement the mapping and modeling aspects of the Sacramento and San Joaquin River Basins Comprehensive Study. This coordinated programmatic approach will produce several management tools and products that can be used to delineate existing and potential future riparian forest areas and model potential habitat quality for riparian wildlife species. An important aspect of the non-profit entity will be to ensure monitoring protocols are coordinated with other efforts along the river.

As part of the program, the Sacramento River GIS was developed as a planning tool to help resolve management questions and to organize spatially referenced data along 222 miles of

the Sacramento River. End-user access is in ArcView (by ESRI). Information indexed in the system and currently available for query includes historical river meanders since 1896, geology, soil, projected erosion rates and locations for the next 50 years, property ownership, areas within the 100-year flood line, stream bank type, land use, and current and historical riparian vegetation cover types. The GIS incorporates all the above overlays into a unified spatial database for the upper Sacramento River.

The Sacramento River GIS is currently funded by the Resources Agency and maintained by the DWR. DWR will continue to maintain and improve the Sacramento River GIS database. However, there is a need to expand the geographic scope, add specific coverage, and disseminate information electronically. Therefore, the following activities are recommended to expand the Sacramento River GIS into a Valley-wide information management and planning tool. Specific development and management actions include the following eight items: (1) develop a Sacramento River GIS and public access web site, (2) expand the extent of base mapping and relevant coverage of the Sacramento River GIS to encompass the entire Valley, (3) develop a reasonably accurate and up-to-date baseline of all the riparian vegetation in the Valley, (4) develop geology, soils, and detailed land form and channel feature information on all of the major Valley rivers and floodplains, (5) develop a water quality overlay, (6) develop digital orthophotography and base mapping that can be exported as controlled image files, (7) develop a detailed coverage of both public and private infrastructure adjacent to the river, and (8) tracking of specific restoration projects.

- d. **Data Handling and Storage:** The Sacramento River GIS is managed and maintained by the DWR's Northern District Office. Storage includes long-term back up and on- and offsite archiving of project files according to standardized departmental protocols. Because, various agencies or institutions other than DWR develop specific coverage, the collaborating party may retain the primary responsibility for updating and distributing a particular coverage. Currently, spatial data is shared among cooperating agencies and parties based on a strict adherence to departmental policy and procedures. This typically requires a written agreement with the department that ensures appropriate use of the data.
- e. **Expected Products/Outcome:** The goal is to create a continuous riparian ecosystem between Keswick Dam, in Shasta County, and Colusa. Along levied portions of the river below Colusa, the goal is to create a continuous corridor of vegetation. Implementation of the riparian plan is consistent with the Anadromous Fish Restoration Plan (AFRP) upper main stem Sacramento River Action Item #9, as well as Evaluation Items 1 and 3, which are all ranked as high priority, and Evaluation Item 5, which is ranked as a medium priority. Additionally, implementation of the riparian plan is consistent with the Central Valley Project Improvement Act (CVPIA) Section 3406(b)(1)(A), which requires that the program give first priority to measures which protect and restore natural channel and riparian habitat values through habitat restoration actions. A central implementation feature is the Inner River Zone (IRZ), an area of limited river meander. The IRZ contains the most flood and erosion-prone areas along the river. Restoring it to an actively meandering ecosystem will benefit anadromous fish through gravel recruitment, increasing the quantity and quality of shaded riverine aquatic habitat, increasing in-stream habitat diversity, moderating temperatures, and enhancing nutrient input. All of the AFRP target species, including the four races of Chinook

salmon, steelhead, striped bass, American Shad, and white and green sturgeon, will directly benefit from this project. If all landowners within the potential IRZ choose to participate, the area would include 30,000 – 40,000 acres between Red Bluff and Colusa.

f. Work Schedule:

Task 1) Planning

Coordinate with Technical Team to Accomplish Site-Specific Plans.

Deliverable: Work with Technical Team to complete at least one site-specific plan. This plan may be related to Hamilton City, Woodson Bridge, Battle Creek/Cottonwood Creek, or other areas. This task will include resolving outstanding issues in implementing natural process and meander zone restoration activities in accordance with the Handbook and developing incentives for landowner participation.

-- Ongoing

Assist in Development of Sub-Reach Planning

Assist local entities and agencies to identify and coordinate the development of new sub-reach plans. Utilize and update "Program of Work" within the goals and principles outlined in the Handbook.

Deliverable: Work with the public agencies, local interests and the Technical Team to identify issues within a specific sub-reach. Facilitate the selection of specific solutions and a lead agency.

-- Coordinate sub-reach plans as directed.

Task 2)

Establish Project Review and Monitoring Process.

Deliverable: Facilitate Technical Team review of various project proposals. Encourage research into creating a sustainable ecosystem approach to river management. Use GIS information to provide scientific basis for river restoration and riparian habitat recruitment. Assist in preparation of annual monitoring report.

-- Ongoing

Task 3)

Public Education and Information

Deliverable: Task includes the development of an education and information program, a presentation program and a regular newsletter. Make presentations as needed.

-- Ongoing

Develop Mapping and Public Information Program.

Deliverable: Coordinate with resources entities to provide public use and access program. Develop area use mapping. Recruit a mutual assistance group to help reduce trespass problems.

-- Complete within one year.

Task 4)

Program of Work and Identification of Local Issues

Deliverable: Assist Board in updating Program of Work and addressing local issues.
-- Ongoing

Facilitate Development of Streamlined Permitting Process

Deliverable: Work with permitting agencies to develop a coordinated permitting program within the Conservation Area.
-- Complete within three years

Task 5)

Project Administration

Deliverable: The Association will contract with The CSU, Chico Research Foundation to manage project funds in accordance with the Estimated Budget (Appendix A); keep complete and accurate accounting records in accordance with standard accounting practices; put project personnel on the Foundation's payroll, if applicable; and prepare all billing documents in accordance with CVPIA requirements.
-- Ongoing

- g. Feasibility:** The past success of this project clearly demonstrates that the afore mentioned approach is not only feasible but actively meeting success through the coordination of Sacramento River restoration activities already happening through the SB1086 Advisory Council and the establishment of the non-profit is just an outgrowth of current agency efforts. This is essentially a super-watershed (in this case floodplain) that acts like a conservancy-organization. There are no environmental compliance or permitting issues with this application. This project does not propose to conduction actual work on any land, however, it services as the coordination body through which such projects could in the future be successfully implemented.

D. Applicability to CALFED ERP Goals and Implementation Plan and CVPIA Priorities

1. ERP Goals and CVPIA Priorities

Section 3406(b)(1) of the CVPIA requires that the Secretary of the Interior develop within three years of enactment and implement a program which makes all reasonable effort to ensure that, by the year 2002, natural production of anadromous fish in Central Valley rivers and streams will be sustainable, on a long-term basis, at levels not less than twice the average levels attained during the period of 1967 - 1991. A further requirement is that first priority be given to measures that protect and restore natural channel and riparian habitat values through habitat restoration actions. Implementation of this project directly benefits each of the AFRP target species to include the four races of Chinook salmon, steelhead, striped bass, American shad, and white and green sturgeon, primarily through restoration actions that restore natural channel process and habitat values. The overall goals of the SB1086 program are to *preserve remaining riparian habitat and reestablish a continuous riparian ecosystem along the Sacramento River between Redding and Chico, and reestablish riparian vegetation along the river from Chico to Verona*. One of the key principles is to use an ecosystem approach that contributes to the recovery of threatened and endangered species and is sustainable by natural processes. By encouraging natural erosion and deposition to occur within the historic river meander channel, a sustainable system is developed that provides the greatest biological and ecological benefit at the least cost.

2. Relationship to Other Ecosystem Restoration Projects

Restoration within the Sacramento River Conservation Area have been reviewed through the Advisory Council and its Habitat Committee to determine if they are consistent with the principles outlined in the Handbook. With the formation of the NPO and its Technical Committee, the same level of review will occur. Not only will the program act as a clearinghouse, but continued monitoring will also occur during final planning and after.

3. Requests for next Phase funding

As sub-reach planning moves forward, there will be specific projects that may be in need of funding outside of agency budgets. Sources could be through CALFED, CVPIA/AFRP, the USACOE/Reclamation Board Comprehensive Study, private foundations, or others.

4. Previous Recipients of CALFED or CVPIA funding

Project Title: Sacramento River Conservation Area Funding Proposal for the AFRP

CALFED or CVPIA Number: Contract pending final approval

Project Title: Project #72123 - Sacramento River Conservation Area, Sept 1998 - Dec 2000

CALFED or CVPIA Number: DWR Contract #B-81382

Current Status/Progress and Accomplishments:

Funding from a 1998 two-year CALFED grant has provided for an existing coordinator position hired by The CSU, Chico Research Foundation to finalize an agreement (MOA) among participating parties to establish a non-profit entity and coordinate management activities. The Department of Water Resources (DWR) Northern District provides office space and administrative assistance to this position. The MOA has been finalized and is in the process of being circulated for signatures. Coordination of site-specific plans is ongoing, as is an outreach program. Articles of Incorporation and By-laws for the management entity are in the process of being drafted and it is anticipated that the organization would be established by July 1, 2000. The funding that is being requested for this project will be utilized to provide initial staffing for the newly created nonprofit management entity, which will implement the MOA, coordinate management activities, continue working with local government and landowners to resolve

outstanding issues, and implement natural process and meander zone restoration, which are all key SB1086 objectives. First year funding from CVPIA ARFP grant has been authorized.

5. System-Wide Ecosystem Benefits

This proposal is based on a conceptual foundation that treats the Sacramento River floodplain as both a natural and a cultural system. A natural-cultural ecosystem encompasses all the ecological and social processes that link organisms, including humans, with their environments. This approach integrates the habitat of salmon and other wildlife, as well as human habitat, with land and other cultural developments. Therefore, this project will greatly enhance local capacity to develop and implement projects.

The restoration and maintenance of riparian forests and related habitats along the Sacramento River can proceed only through the restoration and maintenance of natural fluvial geomorphological and hydrological processes. Riparian systems require the protection and reestablishment of natural river ecosystem functions such as channel meander, regimes of floods and flow recession, and the natural patterns of storage and transport of inorganic and organic materials. The landscape-level ecosystem processes necessary to maintain riparian habitats also maintain aquatic habitats through numerous important interrelationships.

Due to the large physical scale involved, ecosystem restoration of big rivers involves consideration of diverse public and private human interest needs. A collaborative approach between public and private interests is necessary for such a comprehensive program in order to create a long-term viable solution for the Sacramento River. By providing a forum for coordination and cooperation, economic and natural resource issues can be addressed and resolved in a manner that ensures a sustainable solution for both the ecosystem and human uses.

An alternative approach to this proposal would involve different agencies and programs working separately, potentially acting in opposition to each other, and unable to take advantage of leveraging their individual efforts. Such approaches often result in local governments and local landowners feeling separated and alienated by the public process. Perhaps more importantly to the CALFED mission, without a comprehensive management framework, the maintenance of ecosystem functions cannot be assured. This watershed coordination alternative provides a nexus between programs within the river floodplain and builds in public participation that will ensure the greatest level of coordination as well as leveraging of funding, resources, and support, thereby greatly enhancing chances of success.

The following **stressors** will be addressed through this project: physical isolation of the floodplain, prevention of channel meander, reduction of gravel recruitment, loss of existing riparian zone, and water temperature; degraded instream riverine habitat conditions, lack of shaded riverine, floodplain, and riparian woodland habitats, and lack of food supply. These priority **habitats** will be addressed through this project: seasonal wetland and aquatic, instream aquatic, shaded riverine aquatic, and riparian woodland habitat. The following priority **species** will be addressed through this project: winter-run and spring-run Chinook salmon, Sacramento splittail, steelhead trout, green sturgeon, shore bird and wading bird guild, neotropical migratory bird guild, migratory waterfowl, as well as a host of other rare terrestrial species.

E. Qualifications

Project Administrator: The CSU, Chico Research Foundation

The CSU, Chico Research Foundation, established in 1997, is an auxiliary organization, acting as fiscal agent for California State University, Chico (CSU, Chico) on all externally funded projects. The CSU, Chico Research Foundation, providing overall financial management, personnel, insurance, and other management services, acts as the administrative liaison with all funding agencies. The CSU, Chico Research Foundation works with Project Directors/Principal Investigators and their staff to ensure compliance with all applicable regulations and appropriate accounting standards. The CSU, Chico Research Foundation is currently working with over 150 different agencies and do state and federal agencies, and those require familiar with the regulations in the private sector.

The CSU, Chico Research Foundation at CSU, Chico provides a fully automated accounting system meeting the current Generally Accepted Accounting Standards. This automated system has been in use for over ten years and has been recently enhanced to provide greater efficiency in handling the large volume of grants and contracts awarded to The CSU, Chico Research Foundation annually.

Currently The CSU, Chico Research Foundation carries on it's books over \$40 million in externally funded projects. The CSU, Chico Research Foundation, is a non-profit foundation with years of experience in providing private sector and government clients with top quality services and products. Project staff and associates form an efficient team of professional scientists and engineers who are experienced in all major components of the environmental field. The expertise of the staff at CSU, Chico encompasses general environmental studies and reports, permitting and licensing of commercial and industrial facilities, analysis of government regulations and policies, and specialized biological, hydrological, and soil resources studies

Co-Project Director: Burt Bundy

Work Experience-

- Owner/Operator Los Molinos Feed-1968-1984
- Tehama County Supervisor-1981-1993
- Owner/Operator-Bundy's Catfish-1994 to present
- Marketing Manager-Crane Mills Forest Humus-1994-1996
- Executive Director, Sacramento Valley Landowners Association-1996-1998
- Coordinator, Sacramento River Conservation Area-1999-present

Responsibilities-

- Coordinate activities for the SB1086 Program and facilitate meetings of the Advisory Council, Riparian Habitat Committee, and various other groups. Facilitate the signing of the MOA and the formation of the Non-Profit Organization to assist in management activities along the Sacramento River. Assist in site-specific planning for restoration and other projects within the Conservation Area.

Other Affiliations-

- President-Mill Creek Conservancy
- Member-BLM, Northwest California Resource Advisory Council
- Member-California State Reclamation Board
- Member of Board-California Farm Bureau Federation

Past Affiliations-

- Member-SB1086 Advisory Council
- President-Regional Council of Rural Counties
- Executive Board-Tri-County Economic Development Council

- Chairman-Northern California Supervisors Water and Ag Committee
- President-Superior California Water Association

Co-Project Director-Stacy Cepello

EDUCATION

M. S. Degree, Biological Sciences

California State University, Chico

B. A. Degree, Biology

University of California, Santa Cruz

Visiting Scholar, 1997/98 Natural Resources Fellowship Program

University of California, Davis

EXPERIENCE

Environmental Specialist IV California Department of Water Resources. Design and conduct complex environmental studies and investigations of diverse water-related issues throughout Northern California. Prepare technical reports on completed studies. Chief and lead scientist of the Environmental Services Section of the Northern District Office. Current/recent responsibilities: Study Coordinator: Integrated Storage Investigation - Sacramento River Ecosystem Studies; Glenn-Colusa Irrigation District Fish Screen Engineering Feasibility Study and EIR/EIS; Sacramento River Gravel Restoration EIR/EIS.

Project Manager: Mill and Deer Creeks Water Exchange Program; Sacramento River Riparian Restoration Program; Sacramento River Geographical Information System; Central Valley Fish and Wildlife Program, Wetlands Geographical Information System.

Technical Committee Member: Sacramento River Advisory Council's Riparian Habitat Committee; Central Valley Project Improvement Act, Anadromous Fisheries Restoration Program; Sacramento and San Joaquin River Basins Comprehensive Study.

Environmental Specialist II & III California Department of Water Resources. Collected and analyzed water quality data from streams and lakes throughout Northern California. Designed studies to monitor potential impacts from geothermal powerplants and hydroelectric development. Conducted field sampling, identification and analysis of benthic macroinvertebrate and plankton communities. Responsible for ongoing limnological and fisheries field studies. Assisted in designing and conducting monitoring to measure and analyze levels of pesticides.

A SAMPLING OF SELECTED PUBLICATIONS AND PRESENTATIONS

"Site-Specific Planning in the Implementation of the Sacramento River Conservation Area" CA Watersheds: Floodplain Management and Habitat Conservation. UC, Davis. March 1998.

"Designing a Geographic Information System for the Sacramento River Corridor." Presentation at the California Riparian Systems Conference III. Sacramento, California. November 1991.

Cepello, S. A. Riparian Vegetation Distribution Along the Middle Sacramento River in Relation to Flood Frequency California State University, Chico. September 1991.

California Department of Water Resources, North Fork Feather River Cumulative Impact Study: Relating to Future Hydro-Electric Development. Prepared for the State Water Resources Control Board. 235 pp. DWR Northern District Report, 1986.

F. Budget Summary

Coordinator/Manager

Job Description -- Under the direction of the Board of Directors: Develop a program of work, coordinate sub-reach and site-specific plans; Organize and facilitate Board and Technical Committee meetings; Assist landowners and public entities in assuring project coordination with the principles and goals set forth in the Sacramento River Conservation Area Handbook; Develop a public use and information program, including an Area map; Work with regulatory agencies to develop a streamlined permitting process and assist in facilitating a monitoring program; Manage business affairs of the non-profit entity; and, work with landowners and agencies to resolve outstanding issues related to the restoration of the Sacramento River Ecosystem.

Total salary and benefits \$60,000

Office Assistant

Job Description -- Oversee office operation and provide assistance to manager in fulfilling his/her duties. Ability to make educational presentations and represent Association at meetings would be required. Secretarial, bookkeeping, and contract writing skills needed.

Total salary and benefits \$30,000

Figure 2. Example of Staff Time Allocation by Task in Cost Categories.

2. Cost Sharing

The California Department of Water Resources is cost sharing approximately \$150,000 a year to manage and maintain the Sacramento River GIS and provide office space and limited clerical services to the Project Director, Burt Bundy.

Table 1. Sample annual and total budget. Please modify to reflect your company's invoice categories and overhead policy.

Year	Task	Direct Labor Hours	Subject to Overhead							State Admin Fee	State Total Cost
			Salary	Benefits	Misc & Other	Supplies & Expendables	Service Contracts	Federal Admin. Fee	Federal Total Cost		
Year 1	Task 1										
	Planning				\$1,500	\$13,500	\$10,000		\$25,000		\$25,000
	Project Director	700	\$16,562	\$5,138					\$21,700		\$21,700
	Assistant	600	\$6,600	\$2,100					\$8,700		\$8,700
	Campus Mgr	186	\$2,139	\$837					\$2,976		\$2,976
	Total Direct Cost								\$58,376		\$58,376
	Admin Fee							\$4,681	\$4,681	\$11,675	\$11,675
	Task 1 Totals	1486	\$25,301	\$8,075	\$1,500	\$13,500	\$10,000		\$63,057	\$11,675	\$70,051
	Task 2										
	Project Review & Monitoring				\$1,500				\$1,500		\$1,500
	Proj Director	540	\$12,776	\$3,964					\$16,740		\$16,740
	Assistant	420	\$4,620	\$1,470					\$6,090		\$6,090
	Campus Mgr	173	\$1,990	\$779					\$2,768		\$2,768
	Total Direct Cost								\$27,098		\$27,098
	Admin Fee							\$3,586	\$3,586	\$5,420	\$5,420
	Task 2 Totals	1133	\$19,386	\$6,212	\$1,500	\$0	\$0	\$3,586	\$30,684	\$5,420	\$32,518
	Task 3										
	Public Ed & Information				\$1,500	\$1,500	\$10,000		\$13,000		\$13,000
	Project Director	260	\$6,152	\$1,908					\$8,060		\$8,060
	Assistant	300	\$3,300	\$1,050					\$4,350		\$4,350
	Campus Mgr	85	\$978	\$383					\$1,360		\$1,360
	Total Direct Cost								\$26,770		\$26,770
	Admin Fee							\$1,929	\$1,929	\$5,354	\$5,354
	Task 3 Totals	645	\$10,429	\$3,341	\$1,500	\$1,500	\$10,000	\$1,929	\$28,699	\$5,354	\$32,124

Year	Task	Direct Labor Hours	Salary	Benefits	Misc & Other	Supplies & Expendables	Service Contracts	Federal Admin. Fee	Federal Total Cost	State Admin Fee	State Total Cost
	Task 4										
	Program of Work & Permitting				\$1,500				\$1,500		\$1,500
	Project Director	400	\$9,464	\$2,936					\$12,400		\$12,400
	Assistant	480	\$5,280	\$1,680					\$6,960		\$6,960
	Campus Mgr	74	\$851	\$333					\$1,184		\$1,184
	Total Direct Cost								\$22,044		\$22,044
	Admin Fee							\$2,885	\$2,885	\$4,409	\$4,409
	Task 4 Totals	954	\$15,595	\$4,949	\$1,500	\$0	\$0	\$2,885	\$24,929	\$4,409	\$26,453
	Task 5										
	Admin				\$1,500				\$1,500		\$1,500
	Project Director	180	\$4,259	\$1,321					\$5,580		\$5,580
	Assistant	280	\$3,080	\$980					\$4,060		\$4,060
	Campus Mgr	39	\$449	\$176					\$624		\$624
	Total Direct Cost								\$11,764		\$11,764
	Admin Fee							\$1,441	\$1,441	\$2,353	\$2,353
	Task 5 Totals	499	\$7,787	\$2,477	\$1,500	\$0	\$0	\$1,441	\$13,205	\$2,353	\$14,117
Total Cost Year 1			\$78,498	\$25,054	\$7,500	\$15,000	\$20,000	\$14,522	\$160,574	\$29,210	\$175,262

Year	Task	Direct Labor Hours	Salary	Benefits	Misc & Other	Supplies & Expendables	Service Contracts	Federal Admin. Fee	Federal Total Cost	State Admin Fee	State Total Cost
Year 2	Task 1										
	Planning				\$1,500	\$13,500	\$10,000		\$25,000		\$25,000
	Project Director	700	\$17,500	\$5,600					\$23,100		\$23,100
	Assistant	600	\$7,050	\$2,250					\$9,300		\$9,300
	Campus Mgr	176	\$2,200	\$880					\$3,080		\$3,080
	Total Direct Cost								\$60,480		\$60,480
	Admin Fee							\$4,949	\$4,949	\$12,096	\$12,096
	Task 1 Totals	1476	\$26,750	\$8,730	\$1,500	\$13,500	\$10,000	\$4,949	\$65,429	\$12,096	\$72,576
	Task 2										
	Project Review & Monitoring				\$1,500				\$1,500		\$1,500
	Proj Director	540	\$13,500	\$4,320					\$17,820		\$17,820
	Assistant	420	\$4,935	\$1,575					\$6,510		\$6,510
	Campus Mgr	83	\$1,038	\$415					\$1,453		\$1,453
	Total Direct Cost								\$27,283		\$27,283
	Admin Fee							\$3,602	\$3,602	\$5,457	\$5,457
	Task 2 Totals	1043	\$19,473	\$6,310	\$1,500	\$0	\$0	\$3,602	\$30,885	\$5,457	\$32,739
	Task 3										
	Public Ed & Information				\$1,500	\$1,500	\$10,000		\$13,000		\$13,000
	Project Director	260	\$6,500	\$2,080					\$8,580		\$8,580
	Assistant	300	\$3,525	\$1,125					\$4,650		\$4,650
	Campus Mgr	80	\$1,000	\$400					\$1,400		\$1,400
	Total Direct Cost								\$27,630		\$27,630
	Admin Fee							\$2,040	\$2,040	\$5,526	\$5,526
	Task 3 Totals	640	\$11,025	\$3,605	\$1,500	\$1,500	\$10,000	\$2,040	\$29,670	\$5,526	\$33,156

Year	Task	Direct Labor Hours	Salary	Benefits	Misc & Other	Supplies & Expendables	Service Contracts	Federal Admin. Fee	Federal Total Cost	State Admin Fee	State Total Cost
	Task 4										
	Program of Work										
	Permitting				\$1,500				\$1,500		\$1,500
	Project Director	400	\$10,000	\$3,200					\$13,200		\$13,200
	Assistant	480	\$5,640	\$1,800					\$7,440		\$7,440
	Campus Mgr	72	\$900	\$360					\$1,260		\$1,260
	Total Direct Cost								\$23,400		\$23,400
	Admin Fee							\$3,060	\$3,060	\$4,680	\$4,680
	Task 4 Totals	952	\$16,540	\$5,360	\$1,500	\$0	\$0	\$3,060	\$26,460	\$4,680	\$28,080
	Task 5										
	Admin				\$1,500				\$1,500		\$1,500
	Project Director	180	\$4,500	\$1,440					\$5,940		\$5,940
	Assistant	280	\$3,290	\$1,050					\$4,340		\$4,340
	Campus Mgr	38	\$475	\$190					\$665		\$665
	Total Direct Cost								\$12,445		\$12,445
	Admin Fee							\$1,529	\$1,529	\$2,489	\$2,489
	Task 5 Totals	498	\$8,265	\$2,680	\$1,500	\$0	\$0	\$1,529	\$13,974	\$2,489	\$14,934
	Total Cost Year 2		\$82,053	\$26,685	\$7,500	\$15,000	\$20,000	\$15,180	\$166,417	\$30,248	\$181,485
	Total Project Cost		\$160,551	\$51,739	\$15,000	\$30,000	\$40,000	\$29,702	\$326,991	\$59,458	\$356,747

G. Local Involvement

The SB1086 legislation set the Advisory Council Board with representatives of the stakeholder groups as well as Supervisors from each of the counties involved. The Non-Profit Organization Board is made up of landowners and public interest representatives appointed by each of the Boards of Supervisors involved. Throughout the process, every effort has been made to involve landowner and conservation groups. The following organizations and their members, as well as others have been involved with various SB1086 committees:

Sacramento Valley Landowners Association
Local County Farm Bureaus
Northern California Water Association
Sacramento River Preservation Trust
Tehama County Fly Fishers Association
The Nature Conservancy
Trust for Public Lands

A list of fifteen signatories to the MOA is attached as Appendix A.

H. Compliance with Standard Terms and Conditions

The Association will contract with The CSU, Chico Research Foundation to manage project funds in accordance with the Estimated Budget (Exhibit A); keep complete and accurate accounting records in accordance with standard accounting practices; put project personnel on the Foundation's payroll, if applicable; and prepare all billing documents in accordance with CVPIA requirements.

I. Literature Cited

SRCA Handbook (in publication), Upper Sacramento River Fisheries and Riparian Habitat Management Plan, 1989

APPLICATION FOR FEDERAL ASSISTANCE

1. TYPE OF SUBMISSION <i>Application</i> <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		2. DATE SUBMITTED 5/15/00		Applicant Identifier	
<i>Preapplication</i> <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		3. DATE RECEIVED BY STATE		State Applicant Identifier	
		4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier	

5. APPLICANT INFORMATION	
Legal Name: The CSU, Chico Research Foundation Address (give city, county, state, and zip code): Kendall Hall, Room 114 CSU, Chico Chico, Butte Co., CA 95929-0870	Organizational Unit: Name and telephone number of person to be contacted on matters involving this application (give area code) Technical: Burt Bundy (530-528-7411) Budgetary: Jeff Wright (530-898-5700) Contractual: Virginia Sturr (530-898-5700)

6. EMPLOYER IDENTIFICATION NUMBER (EIN): <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 6 8 - 0 3 8 6 5 1 8 </div>	7. TYPE OF APPLICANT: (enter appropriate letter in box) I <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District </div> <div style="width: 48%;"> H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) _____ </div> </div>
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8. TYPE OF APPLICATION: <div style="display: flex; justify-content: space-around;"> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision </div> If Revision, enter appropriate letter(s) in box(es): <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">A. Increase Award</div> <div style="width: 30%;">B. Decrease Award</div> <div style="width: 30%;">C. Increase Duration</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">D. Decrease Duration</div> <div style="width: 30%;">Other (specify): _____</div> </div>	9. NAME OF FEDERAL AGENCY: 11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: The Sacramento River Conservation Area Program
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10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:	
<div style="border: 1px solid black; display: inline-block; padding: 5px;"> </div> TITLE: CALFED Bay-Delta Program	
12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.): Shasta, Tehama, Glenn, Butte, Colusa, Sutter, and Yolo counties	

13. PROPOSED PROJECT:		14. CONGRESSIONAL DISTRICTS OF:	
Start Date 6/1/2001	Ending Date 5/31/2003	a. Applicant 2nd	b. Project 2nd & 3rd

15. ESTIMATED FUNDING: <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">a. Federal</td> <td style="width:10%;">\$</td> <td style="width:70%; text-align: right;">160,574.00</td> </tr> <tr> <td>b. Applicant</td> <td>\$</td> <td style="text-align: right;">.00</td> </tr> <tr> <td>c. State</td> <td>\$</td> <td style="text-align: right;">.00</td> </tr> <tr> <td>d. Local</td> <td>\$</td> <td style="text-align: right;">.00</td> </tr> <tr> <td>e. Other</td> <td>\$</td> <td style="text-align: right;">150,000.00</td> </tr> <tr> <td>f. Program Income</td> <td>\$</td> <td style="text-align: right;">.00</td> </tr> <tr> <td>g. TOTAL</td> <td>\$</td> <td style="text-align: right;">310,574.00</td> </tr> </table>	a. Federal	\$	160,574.00	b. Applicant	\$.00	c. State	\$.00	d. Local	\$.00	e. Other	\$	150,000.00	f. Program Income	\$.00	g. TOTAL	\$	310,574.00	16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS? a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____ b. NO. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
a. Federal	\$	160,574.00																				
b. Applicant	\$.00																				
c. State	\$.00																				
d. Local	\$.00																				
e. Other	\$	150,000.00																				
f. Program Income	\$.00																				
g. TOTAL	\$	310,574.00																				

17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No		
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18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.		
a. Typed Name of Authorized Representative Jeff Wright	b. Title Director, Office of Sponsored Programs	c. Telephone number 530-898-5700
d. Signature of Authorized Representative 		e. Date Signed

BUDGET INFORMATION - Non-Construction Programs

		SECTION A BUDGET SUMMARY				New or Revised Budget	
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds				Total (g)	
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)		
1.		\$	\$	\$	\$326,992	\$326,992	
2.						0	
3.						0	
4.						0	
5. TOTALS		\$	0	\$	0	\$326,992	
SECTION B BUDGET CATEGORIES							
6. OBJECT CLASS CATEGORIES		GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)	
		(1) Year 1	(2) Year 2	(3)	(4)		
a. Personnel		\$78,498	\$82,053	\$	\$	\$160,551	
b. Fringe Benefits		\$25,054	\$26,685			\$51,739	
c. Travel		\$0	\$0			0	
d. Equipment		\$0	\$0			0	
e. Supplies		\$15,000	\$15,000			\$30,000	
f. Contractual		\$20,000	\$20,000			\$40,000	
g. Construction		\$0	\$0			0	
h. Other		\$7,500	\$7,500			\$15,000	
i. Total Direct Charges (sum of 6a-6h)		146,052	151,238	0	0	\$297,290	
j. Indirect Charges		\$14,522	\$15,180			\$29,702	
k. TOTALS (sum of 6i and 6j)		\$160,574	\$166,418	\$	\$	\$326,992	
7. Program Income							
		\$	\$	\$	\$	\$	

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Standard Form 424A (Rev. 7-97)

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other sources	(e) TOTALS	
8.	\$	0	\$	0	0
9.					0
10.					0
11.					0
12. TOTALS (sum of lines 8 and 11)	\$	0	\$	0	0
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 160,574	\$ 40,144	\$ 40,144	\$ 40,144	\$ 40,144
14. NonFederal	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
15. TOTAL (sum of lines 13 and 14)	\$ 160,574	\$ 40,144	\$ 40,144	\$ 40,144	\$ 40,144
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16.	\$ 166,417	\$	\$	\$	
17.					
18.					
19.					
20. TOTALS (sum of lines 16 - 19)	\$ 166,417	\$ 0	\$ 0	\$ 0	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges:	\$297,289	22. Indirect Charges:	\$29,702		
23. Remarks:					

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

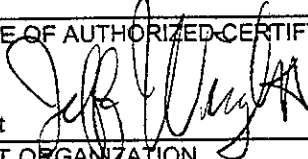
As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation

Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL  Jeff Wright		TITLE Director Office of Sponsored Programs	
APPLICANT ORGANIZATION The CSU, Chico Research Foundation California State University, Chico		DATE SUBMITTED 5/12/06	

U.S. Department of the Interior

Certifications Regarding Debarment, Suspension and Other Responsibility Matters, Drug-Free Workplace Requirements and Lobbying

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - **The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used or use this form certification and sign. (See Appendix A of Subpart D of 43 CFR Part 12.)**

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters- Primary Covered Transactions

CHECK ☒ IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions

CHECK ☒ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK ☒ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.

Alternate I. (Grantees Other Than Individuals)

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a) (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

Check ☐ if there are workplaces on files that are not identified here.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK ☐ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. (Grantees Who Are Individuals)

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

PART E: Certification Regarding Lobbying
Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK ☐ IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND
THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT;
SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

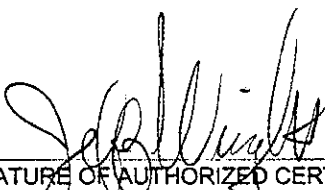
CHECK ☐ IF CERTIFICATION FOR THE AWARD OF A FEDERAL
LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR
SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.


SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

Jeff Wright, Director Office of Sponsored Programs

TYPED NAME AND TITLE

DATE

5/12/00

**MEMORANDUM OF AGREEMENT
REGARDING THE SACRAMENTO RIVER CONSERVATION AREA**

**ATTACHMENT A
Goal, Role and Structure of a Nonprofit Organization**

1. Goal

The SB 1086 Advisory Council recommends the creation of a local nonprofit organization (NPO) to implement a Sacramento River Conservation Area Program as described in the *Upper Sacramento River Fisheries and Riparian Habitat Management Plan (1989 Plan)* and the *Sacramento River Conservation Area Handbook (Handbook)*.

The goal of the NPO and the Sacramento River Conservation Area Program is to preserve remaining riparian habitat and reestablish a continuous riparian ecosystem along the Sacramento River between Chico and Redding, and reestablish riparian vegetation along the river from Verona to Chico. The goal will be met in a manner that follows these six guiding principles:

- Utilizes an ecosystem approach that contributes to recovery of threatened and endangered species and is sustainable by natural processes;
- Uses the most effective and least environmentally damaging bank protection techniques to maintain a limited meander, where appropriate;
- Operates within the parameters of local, state and federal flood control and bank protection programs;
- Encourages participation by private landowners and affected local entities that is voluntary, never mandatory;
- Gives full consideration to landowner, public and local government concerns;
- Provides for the accurate and accessible information and education that is key to sound resource management.

The following outlines the role and structure of the NPO.

II. Role

Numerous factors were identified as being critical in the creation of a management entity to implement the *1989 Plan* and *Handbook*. These responsibilities and factors, listed and described below, provide the basis for outlining the role of the NPO.

- Enhanced Communication
- Coordination and Consistency
- Voluntary Land Transactions
- Riparian Habitat Restoration
- Flood Management
- Land Management
- Limiting River Meander (including Bank Stabilization)
- Mitigation
- Public Information and Technical Assistance
- Public Safety and Law Enforcement on Public and Private Lands
- Monitoring and Research
- Funding Sources and Financial Authority

Enhanced Communication. The NPO will provide a forum to enhance communication among the numerous agencies and interests along the river. The NPO will serve as a liaison between landowners, conservationists and local, state and federal agencies. The NPO will assist with conflict resolution regarding property management issues, and will facilitate timely distribution of information regarding permitting and regulations.

Coordination and Consistency. The NPO will work with public and private entities (individual landowners and non-governmental organizations) to maximize coordination and consistency of policies and programs with the *1989 Plan* and *Handbook*, to the extent allowable by law and agency mandates.

Examples of policies and programs needing increased coordination and consistency include:

- integration of non-governmental, federal, state or landowner acquisitions made to implement the *1989 Plan* (e.g. federal refuges, State ecological reserves, conservation easements, State wildlife areas, mitigation bank sites);
- mitigation banking;

- agreements to establish consistent mitigation guidelines, to the extent allowable by law and agency mandates;
- consolidation of permit application forms;
- ☐ development of programmatic or master permits for a region or repeated activity;
- development of long-term permits, and/or authorizations;
- coordination with County general plans;

Some of the tools available to the NPO to maximize coordination and consistency include:

- direct input from state and federal agencies represented on the NPO governing board as nonvoting members and agency staff acting as technical advisors to the NPO;
- contracts and agreements (such as conservation easements or set-aside arrangements) on individual properties which contain enforcement provisions if the contract is violated by either party; and
- When appropriate, development of regional habitat conservation plans pursuant to applicable laws.

Voluntary Land Transactions. The NPO will have the authority to buy and sell land and conduct or engage in other land transactions or agreements with willing participants consistent with the goals of the *1989 Plan and Handbook*. These activities may include full fee acquisition, conservation easements, set-aside agreements, land trades, private donations, land management contracts, mitigation banks, and transfer of development credits. The NPO will work closely with local landowners to facilitate mutually agreeable land protection arrangements, and will be able to act quickly to protect lands and compensate landowners, as appropriate.

Signatory agencies and the NPO will cooperate to identify and obtain funding to support a voluntary land transaction program. Funding could be provided to the NPO to carry out the transactions or the agencies could contract with the NPO to carry out the program.

Riparian Habitat Restoration. The NPO will facilitate and carry out riparian habitat restoration as part of the site - specific planning process. Evaluation of restoration projects within the inner river zone must follow the six guiding principles of the program. The site should then be assessed using the basic principles, management guidelines and restoration priorities described in the Handbook Chapter 1:

- 1) Protect physical process where still intact.
- 2) Allow riparian forests to reach maturity.
- 3) Restore physical and successional process.
- 4) Conduct reforestation activities.

By focusing on river process, the priorities are designed so that projects are carried out in a manner consistent with the guiding principle on ecosystem management. They are listed in order of their significance to ecosystem management of the Sacramento River and its floodplain.

Flood Management. While it will not have any legal flood control authorities, the NPO will be in a unique position to provide effective support for actions that:

- maintain proper functioning of flood protection works, and
- are consistent with the goals and principles outlined in the *1989 Plan* and *Handbook*.

The NPO will be able to assist landowners in obtaining site specific approvals, assisting project sponsors and regulatory agencies in identifying individuals or entities interested in establishing mitigation banks, assisting in the establishment of such banks, and identifying efficient practices that will minimize the cost and/or acreage of mitigation needed. As a non-regulatory, but interested party, the NPO will be able to monitor progress toward riparian habitat restoration goals, and present an assessment of that progress to local decision makers.

The roles of the NPO in regard to flood protection purposes are to:

- help ensure that flood protection projects accomplish their primary purposes of alleviating flood and erosion damage and protecting lives and property while considering the overall habitat restoration objectives of the *1989 Plan*;
- maintain communication among all interested parties when it is necessary to maintain and repair levees and flood distribution facilities;
- reduce confusion and delay in obtaining project approvals;
- promote floodplain management and habitat conservation practices that maintain the economic and environmental values of the Sacramento River corridor;

- encourage landowner participation in non-structural flood control methods that are economical;
- facilitate a coordinated funding program for projects, and actively encourage creation of, or access to, new funding sources that will accelerate the implementation of the *1989 Plan*; and
- support and assist local maintenance authorities on projects consistent with the goals of the *1989 Plan* and *Handbook*.

Land Management. The NPO and signatory agencies will coordinate land management practices on public and participating private lands to provide for consistency of their practices with the *1989 Plan* and *Handbook*, to the extent allowable by law and agency mandate. The NPO and signatory agencies will cooperate in identifying and obtaining funding sources for land management activities. Examples of land management activities include: development of site specific land management plans within the inner zone; bank stabilization that is consistent with the *1989 Plan* and *Handbook*; revegetation of levees and other areas where natural revegetation will not occur; and control of trespass and vandalism.

The NPO will have the authority to manage lands under three different arrangements:

- 1) to manage whatever land it acquires;
- 2) to oversee land management by private landowners if those landowners are under management agreements with the NPO; and
- 3) to manage lands under contract for other entities such as Department of Fish and Game or The Nature Conservancy. The NPO will work with the various entities to help to coordinate the acquisition and management of current and future landholdings in the Conservation Area in order to achieve the objectives of the *1989 Plan* and *Handbook*.

If an agency is unable to begin or finish a project that is consistent with their land management plan, the NPO can offer to complete such a project with the agency's permission. Once the agency has approved an action by the NPO, the NPO will be allowed to complete that action. Such actions may include the enforcement of conservation easement provisions on mitigation sites.

Limiting River Meander (including bank stabilization). The NPO will assist in securing the appropriate agency to address limiting river meander within the boundary of the inner river zone as described in the *Handbook*. Responsibility

for maintaining the boundary of the inner zone would be negotiated on a case-by-case basis as part of individual agreements/contracts.

In some cases, maintaining the inner zone boundary will require bank stabilization. Responsibility for bank stabilization will also be negotiated on a case by case basis as part of agreements/contracts. The NPO may take responsibility for bank stabilization as part of an individual land management agreement, and will be responsible for identifying funding for the work and for ensuring the work is completed as agreed. The Army Corps of Engineers, the Reclamation Board or the Department of Water Resources will act as lead agency for bank stabilization only when it is within the agency's legal authority (such as the Sacramento River Bank Protection Project) and the goals of the *1989 Plan and Handbook*.

Funding for bank stabilization could come from a variety of sources such as a funding pool for maintaining the river within the inner zone, river restoration/habitat fund or flood control funds (see *Handbook* Chapter 9). Under a funding pool, funding for future needs could be created by the establishment of a retainer (a percentage of each project cost) to be placed into a pool for bank stabilization or other activities. This pooled account would provide the property owner with an assurance that river meander beyond an established point would be promptly addressed. The NPO would establish and administer this account and determine its use with the assistance of a technical team.

When bank stabilization is conducted on public and private lands within the Conservation Area, the NPO will actively promote the most effective and least environmentally damaging techniques as per the site specific agreements and/or contracts, and all applicable laws and regulations. The NPO will encourage and promote further research and evaluation of alternative bank stabilization techniques, and promote revegetation of levees and rocked areas, where appropriate.

The NPO will also work with the regulatory agencies to adopt, when appropriate, a comprehensive habitat plan for threatened and endangered species which could reduce the impact of Conservation Area projects that are consistent with the *1989 Plan and Handbook*.

Mitigation. It is anticipated that implementation of the *1989 Plan and Handbook* will provide a net increase in benefits to the environment and to species that currently exist, or may become established in the Conservation Area. Localized or short term impacts may occur, but it is a goal of the NPO that the net environmental benefits will outweigh these adverse habitat impacts and that mitigation of these impacts would be minimized or not required. The NPO will work with regulatory agencies to avoid, minimize or compensate for habitat

impacts associated with proposed projects should impacts occur. If mitigation is required, it will be the responsibility of the NPO to work with the regulatory agencies to satisfy the requirements and include the costs as part of the total project cost.

When the NPO is the project proponent, the NPO will be responsible for mitigation, if required, as part of the project unless specific arrangements are made for the landowner to provide mitigation. The NPO will coordinate obtaining permits and/or authorizations as part of the landowner agreement/contracts. If certain project elements, such as bank stabilization, are planned for implementation in the future, the NPO will obtain permits and/or authorizations up front, to the extent possible, to ensure that bank stabilization or other activities can occur as intended, and the landowner and NPO can have certainty that the project can be implemented as was agreed.

Public Information and Technical Assistance. The NPO will provide public information and technical assistance to private and public landowners within the Conservation Area and to the general public on issues such as erosion and deposition, flood control projects, habitat protection and restoration, public access, and recreation. The NPO will serve as a local information clearinghouse but will refer technical questions such as emergency flood information and legal or regulatory requirements to the appropriate agency. The NPO will also provide information to the public and local communities regarding the benefits of the Conservation Area and of balancing habitat restoration/protection with agricultural land use/protection. Increasing local and regional appreciation of the river system will support the goals of the program and may lead to financial support.

Public Safety and Law Enforcement on Public and Private Lands. The NPO will work with the local, state and federal agencies which have public safety and law enforcement authority to coordinate and maximize enforcement activities within the Conservation Area on both private and public lands. The NPO will work with the enforcement agencies to identify and implement methods to maximize existing enforcement resources. The enforcement activities needing additional attention include vandalism and trespassing on public and private lands.

Monitoring and Research. The NPO will monitor and prepare annual reports on the implementation of the riparian management objectives of the *Handbook* and the success of the protection and restoration efforts within the Conservation Area. Monitoring will help guide future restoration/protection actions within the Conservation Area and help support future funding requests for the program.

The NPO will assist the agencies in furthering research priorities as outlined in the *Handbook* (see pages 9-10 and 9-11).

Funding Sources and Financial Authority. To implement the *1989 Plan* and *Handbook*, the NPO will need funding for all the responsibilities listed above, as well as funding for annual administrative support. Local, state, and federal agencies will assist the NPO in identifying existing or new agency authorities and funding sources which can support implementation of the *1989 Plan* and *Handbook*. The NPO will seek funding from federal, state, local sources, and private donations; revenue from leased lands; and land transactions, to support annual administrative costs. The NPO will support agency funding in order to ensure effective technical support from the respective agency representatives. The Advisory Council is opposed to the NPO having local property tax authority; however, local funding could be sought through other means.

In order to attract the participation of private landowners, the NPO, in coordination with involved signatory parties, must take a leadership role in seeking and supporting the availability of incentives which include some aspect of river engineering such as bank protection placed to ensure that the meander is limited. Because project components associated with engineering and construction are often more expensive than acquisition or active revegetation, it is anticipated that a significant portion of Riparian Conservation funding will be devoted to such project elements.

It is a goal of the NPO to ensure that adequate funding is obtained for necessary bank protection and other engineered construction. The NPO will work closely with signatory parties to distribute funds appropriately among all aspects of river management. Specifically, all parties will work toward a balanced effort to fund bank protection in order to establish a limited meander while maintaining an ecosystem. The NPO will encourage funding for all activities so the balance can be maintained over time. Furthermore, when site-specific project plans include multiple components such as acquisition, active planting, bank stabilization or flood protection, the NPO will review the project plans to ensure that all aspects are accurately represented in the project budget.

For a guideline on funding elements for various aspects of a restoration project, refer to the *1989 Plan* and the *Riparian Habitat Committee Report on 1999 Costs of Easements, Aquisitions, Restoration and Bank Protection along the Sacramento River* (Appendix J in *Handbook*).

The annual report of the NPO will include, at a minimum, a summary of activities and expenditures the NPO has supported in the following categories:

1. Landowner incentives, including set asides, easements, levee, bank stabilization, flood control projects construction and maintenance

2. Fee title land acquisition
3. Habitat restoration
4. Administration
5. Trespass
6. Education
7. Reimbursement of taxes to local government

III. Structure

The *1989 Plan* recommended creation of a governing board... "(with a) balanced representation of participating landowners and public interest groups". The Advisory Council supports management entity options that are best able to reflect this board representation. An NPO would provide broad flexibility to create a non-governmental board with both landowner and public interest representation. The Advisory Council recommends the establishment of an NPO with a board of directors that will have up to 15 voting members, and six ex-officio (nonvoting) members.

Appointing the First Board of Directors. To ensure a large enough initial board, a minimum of four participating counties is required.

The County Board of Supervisors of the participating counties in the Conservation Area (Shasta, Tehama, Glenn, Butte, Colusa, Sutter, and Yolo) will appoint up to 14 of the voting members. Each county will appoint one landowner representative and one public interest representative. One voting member will be chosen by the Secretary of the Resources Agency. This "at large" board member shall not serve as a government representative. As additional counties decide to participate (after the initial four), the Supervisors of that new participating county will appoint representatives to serve on an equal basis with those already appointed.

The Ex-officio nonvoting board members will be:

Director, California Department of Fish and Game
Director, California Department of Water Resources
General Manager, Reclamation Board of California
California-Nevada Operations Manager, U.S. Fish and Wildlife
Service
District Engineer, Sacramento District, U.S. Army Corps of Engineers
Area Manager, U.S. Bureau of Reclamation

It is expected that the ex-officio board members from state and federal agencies will help increase the visibility of the nonprofit organization and maintain the linkage to state and federal government which in turn will help increase the likelihood of continued state and federal government support in the future.

Criteria for Nominating/Appointing Board Members. Landowner directors must reside on, own, or manage property in the Conservation Area. He/she must have a demonstrated interest in supporting the goals and objectives of the NPO.

Public Interest directors must reside in the county from which he/she is appointed. He/she must have a demonstrated interest in supporting the goals and objectives of the NPO.

Terms. The first board members will serve 2 and 3-year terms as described below. Thereafter the board members will serve 2-year terms.

2-year term--public interest appointees from Shasta, Glenn and Sutter counties, landowner appointees from Tehama, Butte, Colusa and Yolo.

3-year term--landowner appointees from Shasta, Glenn, and Sutter counties, public interest appointees from Tehama, Butte, Colusa, and Yolo.

Agency Technical Advisors. Federal, state, and local agencies with an interest in the Sacramento River will provide technical staff support, upon request and within their existing resources for planning, implementation, and monitoring of the plan. It is expected that the technical support will be from those agencies signing the MOA. Input from technical advisors could be provided individually and/or by forming a technical committee.

Chairperson. The board elects the chairperson who will serve a 1 year term. The Chairperson will alternate between landowner and public interest board members.

Quorum. Initially, a majority of representatives of the participating counties will represent a quorum. A quorum of a fully appointed board shall consist of eight board members. A vote in favor of a motion by eight board members present at a meeting shall constitute the act of the Board as long as those voting in favor include at least three landowner board members and three public interest board members.

Manager/Executive Director. A Manager/Executive Director will be selected by the Board.

Board Meetings. Board meetings will be held in either a central location or will be rotated among different locations within the Conservation Area.

Sacramento River Conservation Area



4 0 4 8 Miles



Red Bluff

TEHAMA

Corning

BUTTE

Orland

Chico

GLENN

Willows

Oroville

COLUSA

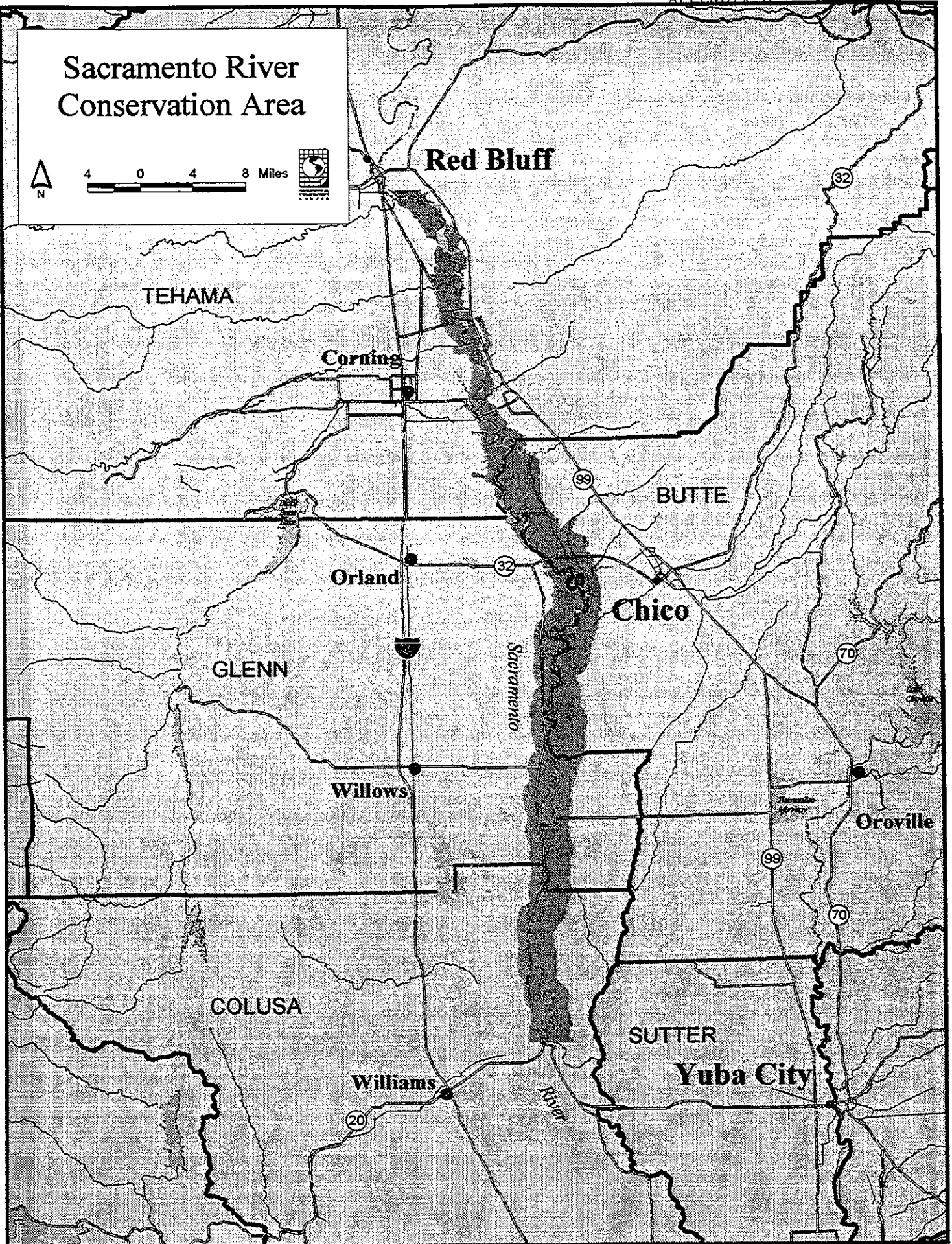
Williams

SUTTER

Yuba City

Sacramento
River

River



Environmental
Resource
Program

427 O'Connell
California State University, Chico
Chico, California 95929-0003
Phone: (530) 898-4335
Fax: (530) 898-5492

May 15, 2000

Yolo County Planning Department

PO Box 1130
Woodland, CA 95776

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0003

Dear Planning Department,


A proposal titled, "Sacramento River Conservation Area Program" will be submitted on May 15, 2000 for consideration by the CALFED Bay-Delta Program's Ecosystem Restoration Program and Strategic Plan in response to the 2001 Proposal Solicitation Package. This proposed project would start on and end.

The first year of funding for this grant has been authorized through CVPIA/AFRP and will be utilized to provide initial staffing for the newly created nonprofit management entity, which will implement the MOA, coordinate management activities, continue working with local government and landowners to resolve outstanding issues, and implement natural process and meander zone restoration, which are all key SB1086 objectives. This grant request is for the second and third years of funding for this program.

An Executive Summary of this proposal will be forthcoming by the end of the month.

If you have any questions about this proposal, please feel free to call my office at (530) 898-4335.

Sincerely,



Kristin Cooper-Carter, Coordinator
Environmental Resource Center

Environmental
Resource
Program

427 O'Connell
California State University, Chico
Chico, California 95929-0003
Phone: (530) 898-4335
Fax: (530) 898-5492

May 15, 2000

Tehama County Planning Department

633 Washington Street Rm. 13
Red Bluff, CA 96080

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0003

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Kristin Cooper-Carter, Coordinator
Environmental Resource Center

Environmental Resource Program

+27 O'Connell
California State University, Chico
Chico, California 95929-0003
Phone: (530) 898-4335
Fax: (530) 898-5492

May 15, 2000

Sutter County Planning Department

433 2nd St
Yuba City, CA 95991

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0003

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Kristin Cooper-Carter, Coordinator
Environmental Resource Center

Environmental Resource Program

427 O'Connell
California State University, Chico
Chico, California 95929-0003
Phone: (530) 898-4335
Fax: (530) 898-5492

May 15, 2000

Shasta County Planning Department

1815 Yuba Street Suite 1
Redding, CA 96001

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0003

Dear Planning Department,

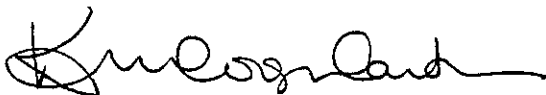
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Chico, California 95929-0003
Phone: (530) 898-4335
Fax: (530) 898-5492

May 15, 2000

Glenn County Planning Department

P.O. Box 391
Willows, CA 95988

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0003

Dear Planning Department,

A proposal titled, "Sacramento River Conservation Area Program" will be submitted on May 15, 2000 for consideration by the CALFED Bay-Delta Program's Ecosystem Restoration Program and Strategic Plan in response to the 2001 Proposal Solicitation Package. This proposed project would start on and end.

The first year of funding for this grant has been authorized through CVPIA/AFRP and will be utilized to provide initial staffing for the newly created nonprofit management entity, which will implement the MOA, coordinate management activities, continue working with local government and landowners to resolve outstanding issues, and implement natural process and meander zone restoration, which are all key SB1086 objectives. This grant request is for the second and third years of funding for this program.

An Executive Summary of this proposal will be forthcoming by the end of the month.

If you have any questions about this proposal, please feel free to call my office at (530) 898-4335.

Sincerely,



Kristin Cooper-Carter, Coordinator
Environmental Resource Center

Environmental Resource Program

427 O'Connell
California State University, Chico
Chico, California 95929-0003
Phone: (530) 898-4335
Fax: (530) 898-5492

May 15, 2000

Colusa County Planning Department

220 12th Street
Colusa, CA 95932

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0003

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May 15, 2000

Butte County Planning Department

2279 Del Oro Avenue, Suite A
Oroville, CA 95965

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0003

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Kristin Cooper-Carter, Coordinator
Environmental Resource Center

Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land(i.e., grading, planting vegetation, or breeching levees) or restrictions in land use (i.e., conservation easement or placement of land in a wildlife refuge)?

☐ YES

☒ NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).
It has been determined that this effort does not constitute a project under CEQA. This is a planning and coordination effort only.

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

4. If YES to # 1, is the land currently under a Williamson Act contract?

☐ YES

☐ NO

5. If YES to # 1, answer the following:

Current land use

Current zoning

Current general plan designation

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

☐ YES

☐ NO

☐ DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

8. If YES to # 1, is the property currently being commercially farmed or grazed?

☐ YES

☐ NO

9. If YES to #8, what are

the number of employees/acre _____
the total number of employees _____

10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?

☐ YES

☒ NO

11. What entity/organization will hold the interest? _____

12. If YES to # 10, answer the following:

Total number of acres to be acquired under proposal	_____
Number of acres to be acquired in fee	_____
Number of acres to be subject to conservation easement	_____

13. For all proposals involving physical changes to the land or restriction in land use, describe what entity or organization will:

manage the property _____

provide operations and maintenance services _____

conduct monitoring _____

14. For land acquisitions (fee title or easements), will existing water rights also be acquired?

☐ YES

☒ NO

15. Does the applicant propose any modifications to the water right or change in the delivery of the water?

☐ YES

☒ NO

16. If YES to # 15, describe _____

Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

☐ YES ☒ NO

2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.

Lead Agency

3. If you answered no to # 1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

It has been determined that this effort does not constitute a project under CEQA.

4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.

5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

☐ YES ☒ NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

6. Please indicate what permits or other approvals may be required for the activities contained in your proposal. Check all boxes that apply.

LOCAL

Conditional use permit	-
Variance	-
Subdivision Map Act approval	-
Grading permit	-
General plan amendment	-
Specific plan approval	-
Rezone	-
Williamson Act Contract cancellation	-
Other _____ (please specify)	
None required	<u>X</u>

STATE

CESA Compliance	-	(CDFG)
Streambed alteration permit	-	(CDFG)
CWA § 401 certification	-	(RWQCB)
Coastal development permit	-	(Coastal Commission/BCDC)
Reclamation Board approval	-	
Notification	-	(DPC, BCDC)
Other _____ (please specify)		
None required	<u>X</u>	

FEDERAL

ESA Consultation	-	(USFWS)
Rivers & Harbors Act permit	-	(ACOE)
CWA § 404 permit	-	(ACOE)
Other _____ (please specify)		
None required	<u>X</u>	

DPC = Delta Protection Commission
 CWA = Clean Water Act
 CESA = California Endangered Species Act
 USFWS = U.S. Fish and Wildlife Service
 ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act
 CDFG = California Department of Fish and Game
 RWQCB = Regional Water Quality Control Board
 BCDC = Bay Conservation and Development Comm.